

Product Image



Product Dimensions



Characteristics

Nominal Voltage		12V
Nominal Capacity (20°C/25°C)		7.0Ah
Capacity (20°C/25°C)	10 hour rate (I ₁₀)	6.7Ah
	5 hour rate (I ₅)	6.2Ah
	1 hour rate (I ₁)	4.0Ah
Internal Resistance		Full Charged Battery 25°C $\leq 22m\Omega$
Capacity affected by Temperature (I ₁₀)	+40°C (104°F)	90%
	25°C (77°F)	100%
	-20°C (-4°F)	80%
Self-Discharge (25°C/77°F)	after 1 month storage	10%
	after 3 month storage	20%
	after 12 month storage	45%
Charge (Constant Voltage) 25°C (77°F)	Flow	Initial Charging Current Less than 0.1A, Voltage 14.4-14.8V
	Cycle	Initial Charging Current Less than 0.1A, Voltage 14.4-14.8V

Packaging

Battery Dimensions	Length	175mm
	Width	47mm
	Height	75mm
	Terminal Height	60mm
Box Dimensions	Length	200mm
	Width	60mm
	Height	140mm
Quantity per Box		1 per per box
Net weight Per Cell		2.11kg (4.65lb)
Gross weight Per box		60.7kg
Gross Weight		11.2kg

Discharge Constant Current per Cell (Average at 25°C/77°F)

I ₅ /Time	1hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	15hr	20hr	30hr	40hr	50hr
1.00V	23.06	23.06	23.06	23.06	23.06	23.06	23.06	23.06	23.06	23.06	23.06	23.06	23.06
1.05V	23.06	23.12	23.18	23.24	23.29	23.34	23.40	23.45	23.50	23.55	23.60	23.65	23.70
1.20V	23.26	23.44	23.72	24.02	24.34	24.68	25.02	25.36	25.70	26.04	26.38	26.72	27.06
1.35V	23.44	23.64	23.84	24.04	24.24	24.44	24.64	24.84	25.04	25.24	25.44	25.64	25.84
1.50V	23.56	23.76	23.92	24.08	24.24	24.40	24.56	24.72	24.88	25.04	25.20	25.36	25.52

Discharge Constant Power per Cell (Rate at 25°C/77°F)

I ₅ /Time	1hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	15hr	20hr	30hr	40hr	50hr
1.00V	46.47	23.06	15.33	11.82	9.28	8.09	7.50	7.00	6.50	6.00	5.50	5.00	4.50
1.05V	46.46	24.11	15.30	11.75	9.19	8.01	7.40	6.90	6.40	5.90	5.40	5.00	4.50
1.20V	42.00	24.27	15.49	11.78	9.08	8.01	7.39	6.87	6.40	5.90	5.40	5.00	4.50
1.35V	42.04	24.38	15.59	11.80	9.01	8.01	7.38	6.86	6.40	5.90	5.40	5.00	4.50
1.50V	40.40	24.59	15.78	11.80	9.01	8.00	7.38	6.86	6.39	5.90	5.40	5.00	4.50

Note: The above data are average values, and are for standard models. For charge/discharge cycles, please see our maximum values/20 self-discharge design specifications and subject to modification without notice. Contact for the latest information.